

Title (en)
WIRELESS POWER OVERVOLTAGE PROTECTION CIRCUIT WITH REDUCED POWER DISSIPATION

Title (de)
DRAHTLOSER ÜBERSpannungSSCHUTZSCHALTUNG MIT VERMINDERter VERLUSTLEISTUNG

Title (fr)
CIRCUIT DE PROTECTION CONTRE UNE SURTENSION DE COURANT SANS FIL COMPRENANT DISSIPATION DE COURANT RÉDUITE

Publication
EP 2891226 A2 20150708 (EN)

Application
EP 13759611 A 20130822

Priority

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- US 201313797674 A 20130312
- US 2013056241 W 20130822

Abstract (en)
[origin: WO2014035799A2] Systems, methods, and apparatus for overvoltage protection in a wireless power receiver are disclosed. One aspect of the disclosure is a wireless power receiver apparatus. The apparatus includes an antenna circuit configured to wirelessly receive power, from a transmitter, at a level sufficient to power or charge a load, wherein the antenna circuit is electrically connected to an overvoltage protection circuit that is electrically connected between the antenna circuit and the load. The apparatus also includes a matching circuit electrically connected to the antenna circuit and a switching element electrically connected to the matching circuit. At least one of the matching circuit or the switching element is configured to control an amount of the received power flowing into the overvoltage protection circuit.

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Citation (search report)
See references of WO 2014035799A2

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